

SECTION 2: FORMS PTO/SB/08A and 08B (formerly Form PTO-1449)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Gray et al.

Atty Dkt: 1062/C97



Serial No: 10/806,755



Art Unit: 3636




Date Filed: March 23, 2004



Examiner: Not Yet Assigned

Invention: Footrest Tuck Mechanism

Ref. No.	U.S. Patent No.	Inventor	Issue Date	See Sec. 1	Exam. Init.
AA	584,127	Draullette et al.	June 8, 1897		
AB	849,270	Schafer et al.	Apr. 2, 1907		
AC	2,742,973	Johannesen, H.	Apr. 24, 1956		
AD	3,145,797	Taylor	Aug. 25, 1964		
AE	3,260,324	Suarez	July 12, 1966		
AF	3,283,398	Andren	Nov. 8, 1966		
AG	3,288,234	Feliz, J.	Nov. 29, 1966		
AH	3,348,518	Forsyth et al.	Oct. 24, 1967		
AI	3,374,845	Selwyn, D.	Mar. 26, 1968		
AJ	3,399,742	Malick	Sept. 3, 1968		
AK	3,446,304	Alimanestiano	May 1969		
AL	3,450,219	Fleming, J.	June 17, 1969		
AM	3,515,401	Gross, E.	June 2, 1970		
AN	3,580,344	Floyd	May 25, 1971		
AO	3,596,298	Durst, Jr.	Aug. 3, 1971		
AP	3,860,264	Douglas et al.	Jan. 14, 1875		
AQ	3,872,945	Hickman et al.	Mar. 25, 1975		
AR	3,952,822	Udden et al.	Apr. 27, 1976		
AS	4,018,440	Deutsch	Apr. 19, 1977		

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AT	4,062,558	Wasserman	Dec. 13, 1977		
AU	4,076,270	Winchell	Feb. 28, 1978		
AV	4,088,199	Trautwein	May 9, 1978		
AW	4,094,372	Notter	June 13, 1978		
AX	4,109,741	Gabriel	Aug. 29, 1978		
AY	4,111,445	Haibeck	Sept. 5, 1978		
AZ	4,151,892	Francken	May 1, 1979		
BA	4,222,449	Feliz	Sept. 16, 1980		
BB	4,264,082	Fouchey, Jr.	Apr. 28, 1981		
BC	4,266,627	Lauber	May 12, 1981		
BD	4,293,052	Daswick et al.	Oct. 6, 1981		
BE	4,325,565	Winchell	Apr. 20, 1982		
BF	4,354,569	Eichholz	Oct. 19, 1982		
BG	4,363,493	Veneklasen	Dec. 14, 1982		
BH	4,373,600	Buschbom et al.	Feb. 15, 1983		
BI	4,375,840	Campbell	Mar. 8, 1983		
BJ	4,510,956	King	Apr. 16, 1985		
BK	4,560,022	Kassai	Dec. 24, 1985		
BL	4,566,707	Nitzberg	Jan. 28, 1986		
BM	4,570,078	Yashima et al.	Feb. 11, 1986		
BN	4,571,844	Komasaku et al.	Feb. 25, 1986		
BO	4,624,469	Bourne, Jr.	Nov. 25, 1986		
BP	4,657,272	Davenport	Apr. 14, 1987		
BQ	4,685,693	Vadjunec	Aug. 11, 1987		
BR	4,709,772	Brunet	Dec. 1, 1987		
BS	4,716,980	Butler	Jan. 5, 1998		
BT	4,740,001	Torleumke	Apr. 26, 1988		


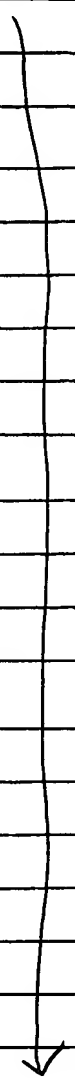


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BV	4,770,410	Brown	Sept. 13, 1988		
BW	4,786,069	Tang	Nov. 22, 1988		
BX	4,790,400	Sheeter	Dec. 13, 1988		
BY	4,790,548	Decelles et al.	Dec. 13, 1988		
BZ	4,794,999	Hester	Jan. 3, 1989		
CA	4,798,255	Wu	Jan. 17, 1989		
CB	4,802,542	Houston et al.	Feb. 7, 1989		
CC	4,809,804	Houston et al.	Mar. 7, 1989		
CD	4,834,200	Kajita	May 30, 1989		
CE	4,863,182	Chern	Sept. 5, 1989		
CF	4,867,188	Reid	Sept. 19, 1989		
CG	4,869,279	Hedges	Sept. 26, 1989		
CH	4,874,055	Beer	Oct. 17, 1989		
CI	4,890,853	Olson	Jan. 2, 1990		
CJ	4,919,225	Sturges	Apr. 24, 1990		
CK	4,953,851	Sherlock et al.	Sept. 4, 1990		
CL	4,958,947	Ethridge	Jan. 22, 1991		
CM	4,984,754	Yarrington	Jan. 15, 1991		
CN	4,998,596	Miksitz	Mar. 12, 1991		
CO	5,002,295	Lin	Mar. 26, 1991		
CP	5,011,171	Cook	Apr. 30, 1991		
CQ	5,052,237	Reimann	Oct. 1, 1991		
CR	5,111,899	Reimann	May 12, 1992		
CS	5,158,493	Morgrey	Oct. 27, 1992		
CT	5,168,947	Rodenborn	Dec. 8, 1992		
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CV	5,186,270	West	Feb. 16, 1993		
CW	5,221,883	Takenaka et al.	June 22, 1993		
CX	5,241,875	Kochannek	Sept. 7, 1993		
CY	5,248,007	Watkins et al.	Sep. 28, 1993		
CZ	5,314,034	Chittal	May 24, 1994		
DA	5,350,033	Kraft	Sept. 27, 1994		
DB	5,366,036	Perry	Nov. 22, 1994		
DC	5,376,868	Toyoda et al.	Dec. 27, 1994		
DD	5,419,624	Adler et al.	May 30, 1995		
DE	5,701,965	Kamen et al.	Dec. 30, 1997	#	
DF	5,701,968	Wright-Ott et al.	Dec. 1997		
DG	5,775,452	Patmont	July 1998		
DH	5,791,425	Kamen et al.	Aug. 11, 1998		
DI	5,794,730	Kamen	Aug. 1998		
DJ	5,971,091	Kamen et al.	Oct. 26, 1999		
DK	5,973,463	Okuda et al.	Oct. 26, 1999		
DL	5,975,225	Kamen et al.	Nov. 2, 1999		
DM	5,986,221	Stanley	Nov. 16, 1999		
DN	6,003,624	Jorgensen et al.	Dec. 21, 1999	#	
DO	6,039,142	Eckstein et al.	Mar. 21, 2000		
DP	6,050,357	Staelin et al.	Apr. 18, 2000		
DQ	6,059,062	Staelin et al.	May 9, 2000		
DR	6,125,957	Kauffmann	Oct. 2000		
DS	6,131,057	Tamaki et al.	Oct. 10, 2000		
DT	6,223,104	Kamen et al.	Apr. 24, 2001	#	
DU	6,225,977	Li	May 1, 2001	#	
DV	6,288,505	Heinzmann et al.	Sep. 11, 2001	#	









Ref. No.	U.S. Patent No.	Inventor	Issue Date	See Sec. 1	Exam. Init.
DW	6,302,230	Kamen et al.	Oct. 16, 2001		cm
DX	6,405,816	Kamen et al.	June 18, 2002	#	↓
DY	6,443,251	Morrell et al.	Sep. 3, 2002	#	
DZ	6,538,411	Field et al.	March 25, 2003		
EA	6,571,892	Kamen et al.	June 3, 2003		
EB	6,581,714	Kamen et al.	June 24, 2003		

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EC	US 20020063006 A1	Kamen et al	30 May 2002	cm

Ref. No.	Foreign Patent No.	Applicant	Publication Date	See Sec. 1	Exam. Init.
ED	DE 2 048 593	Deres Development	May 6, 1971		cm
<del>EE</del>	<del>DE 298 08 091 U1</del>	<del>Brecht</del>	<del>Oct. 10, 1998</del>		
<del>EF</del>	<del>DE 298 08 096 U1</del>	<del>Brecht</del>	<del>Oct. 8, 1998</del>		
EG	DE 31 28 112 A1	Heid	Feb. 3, 1983		cm
EH	DE 32 42 880 A1	Toselli	June 23, 1983		↓
EI	DE 3411489 A1	Takamiya et al.	Oct. 10, 1984		
EJ	DE 44 04 594 A 1	Wittelsberger (and translation)	Aug. 17, 1995		
EK	DE 196 25 498 C 1	Eckstein, et al.	Nov. 20, 1997		
EL	EP 0 193 473	Brunet	Sept. 3, 1986		
EM	EP 0 537 698 A1	Toselli	Apr. 21, 1993		
EN	EP 0 109 927	von Rohr	July 4, 1984		
EO	FR 82 04314	Tobex	Sept. 24, 1982		
EP	FR 980 237	Pages	May 9, 1951		↓
EQ	GB 2 139 576 A	Colpus	Nov. 14, 1984		

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ER	JP 59-73372		Apr. 25, 1984		
ES	JP 61-31685		Feb. 26, 1986		
ET	JP 4-201793	Furukawa (with translation)	July 22, 1992	#	
EU	JP 2-190277	Toyoda (translation)	July 26, 1990		
EV	JP 5-213240	Mitsubishi (translation)	Aug. 24, 1993		
EW	JP 60255580	Takahashi (with abstract)	Dec. 17, 1985		
EX	JP 7255780		Mar. 1995		
EY	JP 57-87766	Iguchi (with abstract)	June 1982		
EZ	JP 52-44933	Shimizu (with abstract)	Oct. 1975		
FA	JP 63-305082	Santo (with abstract and translation)	Dec. 1988		
FB	JP 62-12810	Hitachi	July 10, 1985		
FC	JP 57-110569				
FD	JP 6-171562	Takeda	Dec. 10, 1992		
FE	JP 6-105415	Suzuki	December 21, 1994		
FF	UK 1213930	Fleming	Nov. 25, 1970		
FG	UK 152,664	Garanzini	Feb. 16, 1922		
FH	WO 86/05752	Post	Oct. 9, 1986		
FI	WO 89/06117	Rix (with translation)	July 13, 1989	#	
FJ	WO 96/23478	Kamen et al.	Aug. 8, 1996		
FK	EP 0 958 978	Ghoneim et al.	Nov. 24, 1999		
FL	FR 2 502 090	Tobex	Sep. 24, 1982		✓
<del>FM</del>	<del>UK 152,664</del>	<del>Garanzini</del>	<del>Feb. 16, 1922</del>		
FN	WO 98/46474	Staelin et al.	Oct. 22, 1998		
FO	WO 00 75001A	Deka Products LP	14 December 2000 (2000-12-14) Claim 23		

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FP	Kawaji, S., <i>Stabilization of Unicycle Using Spinning Motion</i> , <u>Denki Gakkai Ronbushu, D</u> , Vol. 107, Issue 1, Japan (1987), pp. 21-28	EX		④
FQ	Schoonwinkel, A., <i>Design and Test of a Computer-Stabilized Unicycle</i> , Stanford University (1988), UMI Dissertation Services	EY		④
FR	Vos, D., <i>Dynamics and Nonlinear Adaptive Control of an Autonomous Unicycle</i> , Massachusetts Institute of Technology, 1989	EZ		④
FS	Vos, D., <i>Nonlinear Control of an Autonomous Unicycle Robot: Practical Issues</i> , Massachusetts Institute of Technology, 1992	FA		④
FT	Koyanagi et al., <i>A Wheeled Inverse Pendulum Type Self-Contained Mobile Robot and its Posture Control and Vehicle Control</i> , <u>The Society of Instrument and Control Engineers</u> , Special issue of the 31 <sup>st</sup> SICE Annual Conference, Japan 1992, pp. 13-16.	FB		
FU	Koyanagi et al., <i>A Wheeled Inverse Pendulum Type Self-Contained Mobile Robot</i> , <u>The Society of Instrument and Control Engineers</u> , Special issue of the 31 <sup>st</sup> SICE Annual Conference, Japan 1992, pp. 51-56	FC		
FV	Koyanagi et al., <i>A Wheeled Inverse Pendulum Type Self-Contained Mobile Robot and its Two Dimensional Trajectory Control</i> , <u>Proceeding of the Second International Symposium on Measurement and Control in Robotics</u> , Japan 1992, pp. 891-898.	FD		④
FW	Watson Industries, Inc., Vertical Reference Manual ADS-C132-1A, 1992, pp. 3-4	FE		
FX	News article <i>Amazing Wheelchair Goes Up and Down Stairs</i>	FF		
FY	Osaka et al., <i>Stabilization of unicycle</i> , <u>Systems and Control</u> , Vol. 25, No. 3, Japan 1981, pp. 159-166 (Abstract Only)	FG		
FZ	Roy et al., <i>Five-Wheel Unicycle System</i> , <u>Medical &amp; Biological Engineering &amp; Computing</u> , Vol. 23, No. 6, United Kingdom 1985, pp. 593-596	FH		
GA	Kawaji, S., <i>Stabilization of Unicycle Using Spinning Motion</i> , <u>Denki Gakkai Ronbushu, D</u> , Vol. 107, Issue 1, Japan 1987, pp. 21-28 (Abstract Only)	FI		
GB	Schoonwinkel, A., <i>Design and Test of a Computer-Stabilized Unicycle</i> , <u>Dissertation Abstracts International</u> , Vol. 49/03-B, Stanford University 1988, pp. 890-1294 (Abstract only)	FJ		↓

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GC	Vos et al., <i>Dynamics and Nonlinear Adaptive Control of an Autonomous Unicycle - Theory and Experiment</i> , <u>American Institute of Aeronautics and Astronautics</u> , A90-26772 10-39, Washington, D.C. 1990, pp. 487-494 (Abstract only)	FK		
GD	TECKNICO'S Home Page, <i>Those Amazing Flying Machines</i> , <a href="http://www.swiftsite.com/technico">http://www.swiftsite.com/technico</a>	FL		
GE	Stew's Hovercraft Page, <a href="http://www.stewcam.com/hovercraft.html">http://www.stewcam.com/hovercraft.html</a>	FM		
GF	Kanoh, <i>Adaptive Control of Inverted Pendulum</i> , <u>Computrol</u> , vol. 2, (1983), pp. 69-75.	FN		
GG	Yamafuji, <i>A Proposal for Modular-Structured Mobile Robots for Work that Principally Involve a Vehicle with Two Parallel Wheels</i> , <u>Automation Technology</u> , vol. 20, pp. 113-118 (1988).	FO		
GH	Yamafuji & Kawamura, <i>Study of Postural and Driving Control of Coaxial Bicycle</i> , Paper Read at Meeting of Japan Society of Mechanical Engineering (Series C), vol. 54, no. 501, (May, 1988), pp. 1114-21	FP		
GI	Yamafuji et al., <i>Synchronous Steering Control of a Parallel Bicycle</i> , Paper Read at Meeting of Japan Society of Mechanical Engineering (Series C), vol. 55, no. 513, (May, 1989), pp. 1229-34.	FQ		
GJ	Momoi & Yamafuji, <i>Motion Control of the Parallel Bicycle-Type Mobile Robot Composed of a Triple Inverted Pendulum</i> , Paper Read at Meeting of Japan Society of Mechanical Engineering (Series C), vol. 57, no. 541, (Sep., 1991), pp. 154-159	FR		

Examiner: 

Date Considered: 4/13/06

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